

Historic, Archive Document

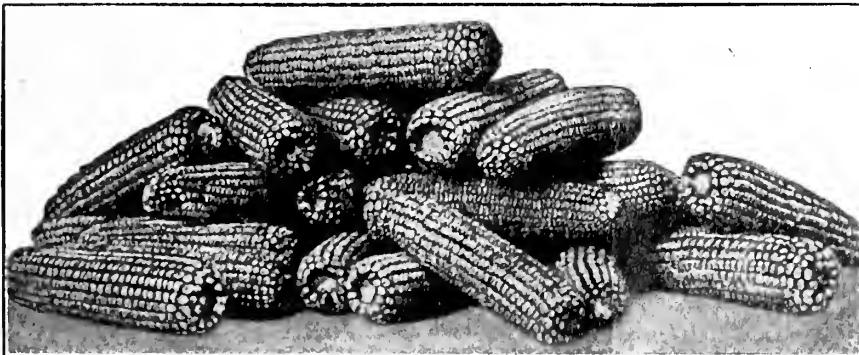
Do not assume content reflects current scientific knowledge, policies, or practices.

Younkerman Seed Co.

Council Bluffs, Iowa

SEEDS

1917 Catalogue



Early Drouth Proof

\$2.50 Per Bushel

This is an early corn and of good size. It has been tried out in this section for the last five years and we now believe it to be the largest and heaviest-yielding early corn obtainable. We have a considerable amount of this corn to offer this season, but because of the large demand the last two previous years, we would advise our customers to place their orders early. We are positive you will make no mistake by planting several acres of this corn.

The Price is \$2.50 per Bushel.

No. 40 Dov. Hive—8-frame, 1½ story, with 24 sections, $4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{1}{8}$, and sheets of foundation for starters for sections:

1 No. 40 Hive—Nailed and painted.....	\$3.55
1 No. 40 Hive—Nailed, not painted.....	3.10
1 No. 40 Hive—In flat	2.55
5 No. 40 Hives—In flat	\$11.50
10 No. 40 Hives—In flat.....	22.65

No. 40-E Dov. Hive—8-frame, 1½ story, without sections and starters:

1 No. 40-E Hive—Nailed and painted.....	\$3.20
1 No. 40-E Hive—Nailed, not painted.....	2.80
1 No. 40-E Hive—In flat	2.30
5 No. 40-E Hives—In flat	\$10.50
10 No. 40-E Hives—In flat	20.50

No. 41 Dov. Hive—10-frame, 1½ story, with 28 sections, $4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{1}{8}$, and sheets of foundation for starters for sections:

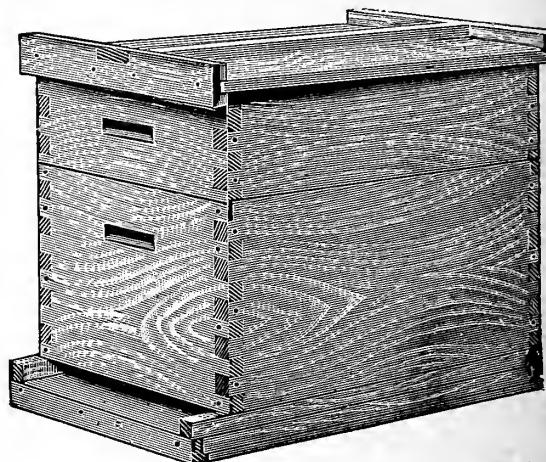
1 No. 41 Hive—Nailed and painted.....	\$3.80
1 No. 41 Hive—Nailed, not painted.....	3.35
1 No. 41 Hive—In flat	2.75
10 No. 41 Hives—In flat	24.75
5 No. 41 Hives—In flat	\$12.60

No. 41-E Dov. Hive—10-frame, 1½ story, without sections and starters:

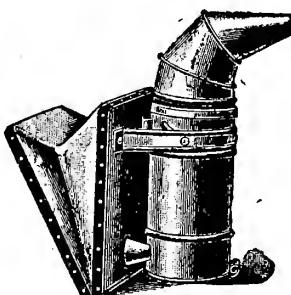
1 No. 41-E Hive—Nailed and painted.....	\$3.40
1 No. 41-E Hive—Nailed, not painted.....	3.00
1 No. 41-E Hive—In flat	2.50
5 No. 41-E Hives—In flat	\$11.50
10 No. 41-E Hives—In flat	22.60

PRICE LIST OF SECTIONS.

Catalog Number	Size	Shape	100	250	500	1000
217	$4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{1}{8}$	Scolloped,	\$0.85	\$1.75	\$3.00	\$5.75
218	$4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{1}{2}$	Plain,	.85	1.75	3.00	5.50
219	$4 \times 5 \times 1\frac{1}{8}$	Plain,	.85	1.75	3.00	5.50
220	$4\frac{1}{4} \times 4\frac{1}{4} \times 7\text{-a-ft.}$	Scolloped,	.85	1.75	3.00	5.75
No. 2 or B Grade—						
217B	$4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{1}{8}$	Scolloped,	.75	1.60	2.75	5.25
218B	$4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{1}{2}$	Plain,	.75	1.60	2.75	5.00
219B	$4 \times 5 \times 1\frac{1}{8}$	Plain,	.75	1.60	2.75	5.00
220B	$4\frac{1}{4} \times 4\frac{1}{4} \times 7\text{-a-ft.}$	Scolloped,	.75	1.50	2.25	4.00

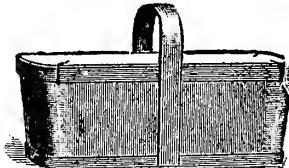


BEE SMOKERS.



Medium Smoker.....	\$0.55
Standard Smoker.....	.80
Jumbo Smoker	1.20

BASKETS



	Per Doz.
No. 1 Diamond Markets.....	\$0.75
Drop Handle Markets.....	.45
One-third Bushel Markets.....	.40
One Bushel Elm Stave Baskets.....	1.35
One Bushel Elm Stave, wide band.....	1.75
One and One-half Bushel Baskets.....	2.00
One Bushel Basket Covers.....	.40
One and One-half Bushel Covers.....	.45
Apple Barrels.....	Ask for prices
Apple Boxes, pannel end, each.....	\$0.12 $\frac{1}{2}$
Western Apple Box, each.....	.15
Crate Nails, per lb.....	.06
1 $\frac{1}{2}$ oz. Tacks for Berry Boxes, per lb.....	.30
Magnetic Tack Hammer, each.....	.15

COMB FOUNDATION

	Per lb.	5 lbs.
Medium Brood	\$0.62	\$3.00
Light Brood .....	.64	3.10
Thin Super.....	.69	3.35
Extra Thin .....	.74	3.50

BERRY BOXES.

Price on Application.

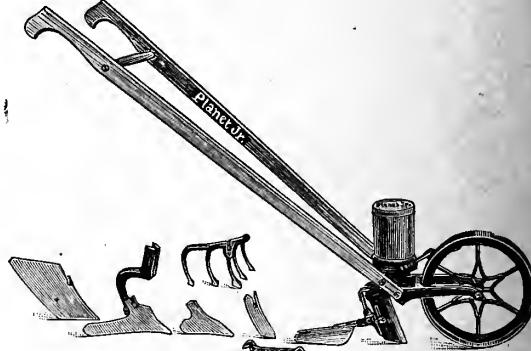
Leslie quart Boxes, per 1000.....

Leslie pint Boxes, per 1000.....

Leslie 24-quart Crates, per 100.....

Leslie 24-pint Crates, per 100.....

PLANET JR. COMBINED SEEDER AND WHEEL HOE



No. 31, complete	\$8.50
No. 25, Double Wheel Cultivator and Plow, complete	16.00
No. 3, Hill & Drill, one-wheel Seeder	12.50
No. 13, Double Wheel Hoe	6.00
No. 18, Single Wheel Hoe	4.50

Ask for complete catalogue on Planet Jr. Tools.

20% discount on all Planet Jr. goods to dealers.

	ARTICHOKE	Oz.	1/4-lb.	1 lb.
Green Globe.....		25	90	..
	ASPARAGUS			
Columbian Mammoth.....		10	20	60
Conover's.....		10	15	50
Palmetto.....		10	15	50

BEETS

Our Beet Seed is imported and will give the very best results. Hitherto the Turnip Rooted Beet has been wanting in that important essential, a dark leaf. We have it in the Johnson Dark Leaf Globe.



	Oz.	1/4-lb.	1 lb.
Dark Leaf Globe.....	10	30	1 00
Early Egyptian Blood Turnip—A standard early sort with small top.....	10	25	75
Crosby's Egyptian—An extra early, dark blood, round, not flat.....	10	25	75
Improved Eclipse—A fine round beet, of first quality, very early, greatly improved	10	25	75
Early Blood Turnip—Dark red and of fine flavor, productive, standard sort	10	25	75
Edmand Blood Turnip—A market gardener's strain of great regularity in shape; deep blood skin and very dark flesh of best quality.....	10	25	75
Extra Early Egyptian—Very early and dark blood color, rather flat.....	10	25	75
Extra Early Eclipse—Very early, round rooted and dark red.....	10	25	75
Half Long Blood—Fine dark strain; distinct variety, smooth and handsome	10	20	60
Long Smooth Blood—A good late variety; dark red, tender and sweet...	10	20	60
Swiss Chard or Silver—Cultivated for its leaves.....	10	20	60

IMPORTED FROM DENMARK

Sludstrup, Mangel	10	15	45
Red Eckendorf Mangel.....	10	15	45
Yellow Eckendorf Mangel.....	10	15	45
Giant, One-Half Sugar, Mangel.....	10	15	45

These are the very best varieties obtainable for dairy feed. Do not fail to give them a trial.

MANGELS AND SUGAR BEETS

Mammoth Long Red.....	10	15	45
Golden Tankard.....	10	15	45
White Sugar.....	10	15	45

BROCCOLI

Early White.....	35	1	25	..
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BRUSSELS SPROUTS

Roseberry	20	60	2 00
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BEANS

The accompanying illustration shows our

Royal Round Pod, Purple Wax Bean

This new bean, introduced for the first time in 1908, promises to be a great accession to the market gardeners.

Plant large, without runners; generally drooping with fruit-laden branches, and spreading when fully grown. The season is early; the leaf is large, medium green; wide across leaflets; pods are very round and yellow in color; very brittle; stringless; without fibre and unsurpassed in quality. Owing to its being a prolific bean and as tender as the Crystal White Wax, it will be much in demand by the market gardeners, or

Ask for prices on beans.

Royal Round Pod, Purple Wax.....

Golden Wax—Best known Wax

Bean, very early, fine podded.....

those wanting a first-class, round pod, wax bean.



Ask for prices on beans.

Golden-Eyed Wax —Very hardy and prolific, with flat, yellow pods.....	.....	.....	.....
German Black Wax —Has great merit, very tender and best quality.....	.....	.....	.....
Wardwell Kidney Wax —Extra early, long pods, flat and remarkably free from rust.....	.....	.....	.....
Davis White Wax —Very productive, long pods, very handsome, rustless..	.....	.....	.....

GREEN POD DWARF BEANS

Early Mohawk —Long, flat and straight pods and very hardy.....	.....	.....	.....
Long Yellow Six Weeks —Early, the leading market sort; full, flat, green pods .....	.....	.....	.....
Refugee, or 1000 to 1 —Medium to late, very productive and tender, round pods .....	.....	.....	.....
Extra Early Red Valentine —Early strain of this popular round pod bean. Many prefer to Wax varieties.....	.....	.....	.....
Burpee Stringless, Green Pod —Extra early and of very fine quality.....	.....	.....	.....
Dwarf Horticultural —Late and productive; fine either shelled or green.....

DWARF LIMA BEANS

	Qt.	Pk.	Bu.
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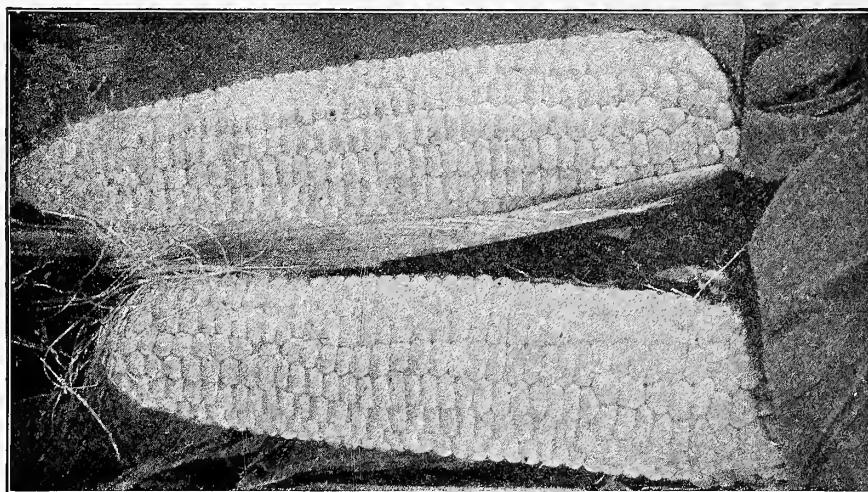
Burpee Bush Lima —A bush form of the large Pole Lima; very productive, and its dwarf character is well established	35	2 00	7 00
Henderson Bush Lima —Productive; a very early bean.....	35	2 00	7 00
Dreer's Bush —Immensely productive; may be used as a shell or snap bean.....	35	2 00	7 00

ENGLISH BEANS

Broad Windsor	40	2 50
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POLE BEANS

Dutch Case Knife —Pods long, green and flat; can be either snapped or Shelled	30	2 00	7 00
Horticultural or Speckled Cranberry —Showy; excellent either as a snap or shell bean.....	30	2 00	7 00
Speckled, Cut Short or Corn Hill —Used for planting among corn; one of the best	30	2 00	7 00
Lazy Wife —Pod from 4 to 6 inches long, beans are white and make a fine shell bean; pods remain green and tender long.....	30	2 00	7 00
Scarlet Runner —A popular English pole bean, very ornamental	40	....	....
Large White Lima —Largely grown and highly esteemed	35	2 00	7 00

SWEET CORN

Owing to the fluctuations in the market these prices are subject to change without notice.

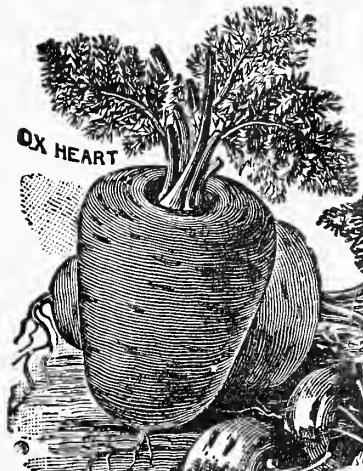
Golden Cream —Cross between Country Gentleman and Yellow Bantum, fine flavor.....	25	1 25	4 00
White Mexican —The finest early Sweet Corn known	20	1 25	4 00
Early Cory, Red Cob —Early variety, with good-sized ears and large grains; excellent for market.....	20	1 25	4 00
White Cob Cory —Resembles the ordinary Cory in size and earliness, but with white cobs; much better quality.....	20	1 25	4 00
Mammoth White Cory —Largest extra early corn known, fine quality, 12-rowed compact ears.....	20	1 25	4 00

		Pk.	Bu.
Kendel's Early Giant —Early, yet the ears grow to a good size; has a white Qt. cob and pure white kernels, which are sweet and tender.....	20	1 25	4 00
Shaker Early —Very large, white grain, and quite early.....	20	1 25	4 00
Early Crosby —Matures after the Minnesota, fair-sized ears, of good quality	20	1 25	4 00
Minnesota —Nearly as early as Marblehead, dwarf growth; standard.....	20	1 25	4 00
Extra Early Adams —Not a sugar corn, but largely grown for early use....	20	1 25	4 00
Perry Hybrid —Very early and of large size; most valuable for market....	20	1 25	4 00
Early Mammoth —Very large, and not very late	20	1 25	4 00
Black Mexican —Very sweet, and of superior flavor; grains black.....	20	1 25	4 00
Country Gentleman —Improved strain, sweetest of all.....	20	1 25	4 00
Stowell's Evergreen —Remains a long time; one of the most popular varieties	20	1 25	4 50
Late Mammoth —The largest ears of all; rich, sweet and superior.....	20	1 00	3 50



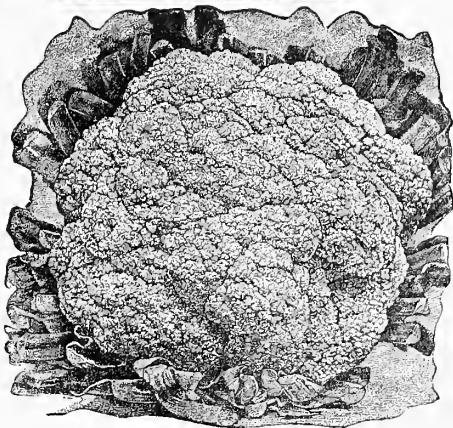
CABBAGE

Copenhagen —A fine new early cabbage introduced from Denmark nearly as early as Wakefield—a much better shaped head—will be one of Oz. the leading varieties	30	1 15	3 50
Early Jersey Wakefield —Well known and most valuable for early market	25	75	2 25
Early Spring —This is the earliest flat-headed variety	35	1 00	3 50
Charleston or Large Wakefield —About a week later than Jersey Wakefield	25	75	2 25
Henderson's Early Summer —A most popular and superior second-early sort	25	75	2 25
Early Flat Dutch	20	65	1 75
All Seasons Vandergaw —One of the finest; growing to a large size quickly	20	65	1 75
Sure Head —A superior sort; produces large and solid heads of fine quality	20	65	1 75
All Head —The very best second-early; fine flat heads; very hard; solid....	25	75	2 00
St. Louis Late Market —A very fine, late first cabbage; a very sure header; especially fine for Southern trade	20	60	2 00
Flat Dutch —We offer a remarkably fine strain, a sure, solid header	20	60	2 00
Drumhead —A standard winter cabbage for main crop	20	60	2 00
Danish Bald Head —Of the short-stemmed type; wonderfully solid, hard, crisp and tender.....	20	60	2 00
Early Dwarf Ulm Savoy	25	75	2 50
Perfection Savoy	20	60	2 00
Mammoth Rock Red —Very large, solid, red heads. the finest strain of reds	30	75	2 50



	CARROTS	Oz.	1/4-lb.	1 lb.
Early Round —Very early variety, small root; excellent flavor.....	10	30	90	
Early Scarlet Horn —Short horn—old standard and favorite early sort.....	10	30	90	
Oxheart or Guerande —Early, short, thick, very smooth and handsome...	10	30	90	
Chantenay —Stump-rooted; similar to the old French Nantes carrot.....	10	30	90	
Improved Danvers —Top, small; color, rich orange	10	30	90	
Long Orange —Improved, well-known standard sort	10	25	70	
Large White —For cattle feeding; very productive and large.....	10	25	70	

CAULIFLOWER



Danish Giant Dry Weather —Large	Pkt.	1/2-oz.	1 oz.
leaved and large pure white compact heads; very resisting against dry weather, the foliage giving a protection			
25	1	25	2 00
Extra Early Dwarf Erfurt —The very best and earliest for forcing under glass			
25	1	50	2 50
Large Early Erfurt —Justly popular with market gardeners for late crop			
25	1	50	2 50
Early Snowball —One of the best for forcing under glass or for open ground.....			
25	1	25	2 00
Extra Early Paris —Heads of medium size			
10	25	50	

CELERY

White Plume —Naturally white or light foliage	Oz.	1/4-lb.	1 lb.
Golden, Self-Blanching —A grand, solid variety	20	60	2 00

Golden, Self-Blanching —A grand, solid variety	30	1 00	3 50
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CELERIAC

Giant Prague —Extra large, smooth	20	50	1 50
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CHICORY

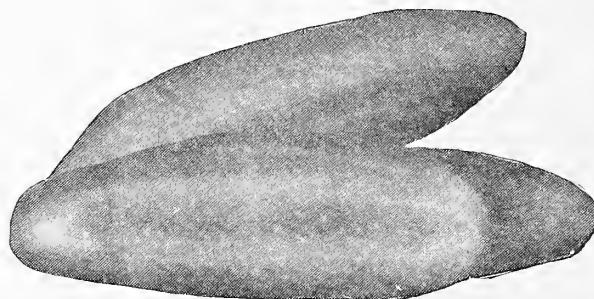
Large Rooted or Coffee	10	25	1 00
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CORN SALAD

Large Leaved	10	25	1 00
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CRESS

Curled (Pepper Grass)	25	75	2 00
True Water	10	25	75



CUCUMBERS

	Oz.	1/4-lb.	1 lb.
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Early White Spine —A fine strain, very early and handsome	10	30	90
Evergreen White Spine —Retains its deep green color in all stages of growth	10	30	90

	Oz.	1/4-lb.	1 lb.
Arlington White Spine —Old standard for market and shipping.....	10	30	90
Early Green Cluster —Fruit small and in clusters, very prolific	10	30	90
Early Frame or Short Green —For slicing or pickling; productive and early	10	30	90
Green, Prolific Pickling —One of the best for pickling; dark green, very productive and of uniform size.....	10	30	90
Improved, Long Green —Jersey Pickle; dark green, crisp and productive..	10	30	90
Boston Pickling —Dark green, uniform small size, productive	10	30	90
Davis Perfect —An excellent cucumber for both out-door use and forcing. It is a carefully selected strain.....	10	30	90
Gherkin	15	40	1 00

DANDELION

Large Leaved	25	75	2 50
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EGG PLANT

Improved New York Purple —The best large oval, deep purple; grown more extensively than any other variety	35	1 25	4 00
Black Beauty —Fruit broad and thick, rich, deep black, spineless; very early	35	1 25	4 00
Early Long Purple —Of distinct shade and fine quality	25	65	2 00

ENDIVE

Green Curled Winter —Standard sort for Fall and Winter crop	15	40	1 25
White Curled	15	40	1 25
Broad Leaved —A sweet variety—Fall and Winter	15	40	1 25

HERBS

	Pkt.	Oz.	1 lb.
Caraway .....	.05	10	....
Coriander .....	.05	20	....
Dill .....	.05	20	90
Lavender .....	.05	35	....
Marjoram, Sweet .....	.05	35	....
Sage .....	.05	20	1 25
Savory, Summer .....	.05	20	....
Sorrel, Broad-Leaved .....	.05	35	....
Thyme, Sweet .....	.05	35	....

KALE

	Oz.	1/4-lb.	1 lb.
Dwarf German Greens —Very dwarf and spreading; best strain	10	30	1 00
Green Scotch —A taller growth of the above; late variety	10	30	1 00
Tall Scotch	10	30	1 00

KOHL RABI

Early White Vienna —Handsome and delicate; white ball	20	60	2 00
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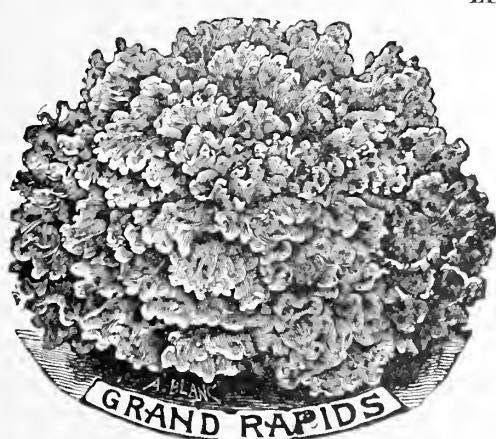
LEEK

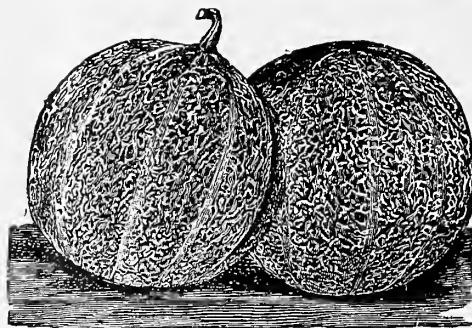
Best, Large Flag, Winter —Hardy and productive	15	50	1 25
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LETTUCE

Grand Rapids Forcing —Large, tender, heads; one of the best for early forcing. California grown. The greenhouse man's favorite	10	25	75
Black-Seeded Simpson —A superior variety; large and of light color.....	10	25	75
Prize Head —Bright green, tinged with brownish red; tender, crisp.....	10	25	75
St. Louis, Black-Seeded Forcing	20	30	1 00
Mammoth, Black-Seeded, Butter Thorburn —A selected strain; large, solid, yellow heads. Favorite variety of New York market gardeners	10	25	75

Big Boston —A fine strain for forcing or open ground, very large, solid heads	10	30	1 00
Improved Hanson —Very large, solid, and of fine quality; withstands the hot sun	10	25	75
Brown, Dutch, Winter	10	25	90





MUSK MELON

	Oz.	1/4-lb.	1 lb.
QUALITY —Early, Orange color; flesh, fine flavor.....	15	60	2 00
Banana —Cucumber shaped, highly perfumed	10	25	75
Bay View —Very prolific and of great size; oblong, green flesh.....	10	25	75
Champion Market —Large, slightly elongated, netted, flesh lightly green; early	10	25	75
Emerald Gem —Small, extra early; dark skin, orange flesh	10	25	75
Early Jenny Lind —Small early, light green flesh; fine for early market.....	10	25	75
Early Hackensack —Ripens 10 days earlier than the Hackensack	10	25	75
Golden Netted Gem —Very early; is small and of fine flavor, green flesh.....	10	25	75
Burrell's Gem —A fine new, salmon-fleshed, good size; handsome and of fine flavor	10	25	75
Green Nutmeg —Named from its shape; green flesh. Good for main crop..	10	25	75
Hackensack —Large, round, and of good quality; a popular variety—early.	10	25	75
Montreal Market	10	25	75
Osage —Yellow flesh, light green netted skin; good quality—intermediate..	10	25	75
Paul Rose —Flesh firm, rich orange color, covered with dense netting; not ribbed	10	25	75
Princess —Salmon flesh, very distinct; nearly round, dark, netted; sweet and luscious	10	25	75
Rocky Ford —Improved, netted gem, very sweet and of fine flavors; oblong.	10	25	75
St. Louis Market	10	25	75
Tip Top —Melons are round in form, well ribbed, bright salmon color; of luscious melting character	10	25	75

WATER MELONS



Kleckley's Sweets —Exceedingly sweet and fine flavored; dark green skin, thin rind; flesh scarlet, solid and firm	10	25	75
Black Spanish —Large, roundish, dark red flesh, early	10	20	60
Cole's Early —Very early, very sweet; fine home melon	10	20	60
Cuban Queen —Solid and heavy; excellent quality	10	20	60
Dark Icing —Solid, with dark green thin skin, white seed; early	10	20	60
Florida Favorite —A superior strain; intermediate	10	20	60
Fordhook Early —An extra early, of extra fine flavor, and large size.....	10	20	60
Jordan Gray Monarch —Largest grown, crimson flesh; late	10	20	60
Jones' Jumbo —Very large, fine green color; meat deep red	10	20	60
Kolb Gem —Large, bright red flesh of fine quality	10	20	60
Dixie —Excellent quality, very large and solid, flesh red; intermediate.....	10	20	60
McIvar's Wonderful Sugar —Large, medium early; fine quality	10	20	60
Mountain Sweet —Red flesh; late	10	20	60

	Oz.	1/4-lb.	1 lb.
Peerless—Rind thin, flesh bright scarlet, very sweet; white seed	10	20	60
Phinney—Early and of fine quality, red flesh; intermediate	10	20	60
Seminole—Very large; quality first rate; intermediate	10	20	60
Southern Rattlesnake—Oblong, dark and striped; bright red flesh	10	20	60
Sweetheart—One of the best early; fruit large, flesh bright red, firm, melting and sweet	10	20	60
Citron	10	25	90

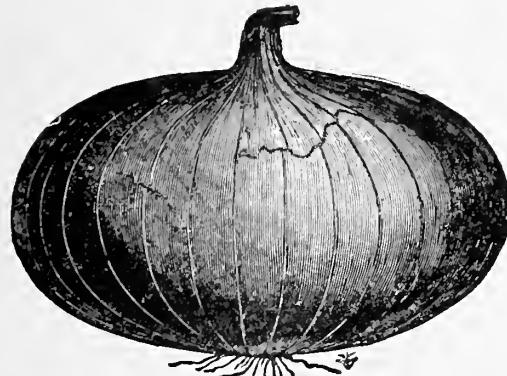
MUSTARD—FOR SOWING

White or London Yellow	10	20	50
Black	10	20	50

OKRA—GUMBO

Dwarf Green	10	20	60
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ONIONS

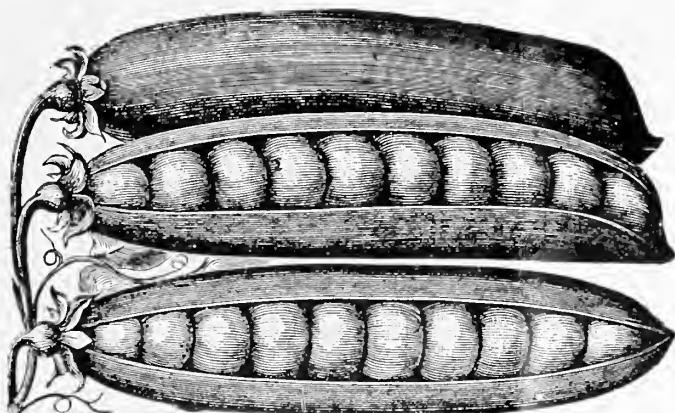


Early Red Flat—Color of Wethersfield, early.....	20	50	1 50
Large Red Wethersfield—Half early, and a good keeper; standard sort..	20	50	1 50
Large Red Globe—Southport strain, one of the best reds; good keeper	20	50	1 50
Globe Wethersfield—Beautiful Onion, fine keeper; fine for the market gardener	20	50	1 50
Australian Brown—A grand, new onion from Australia	20	50	1 25
Yellow, Flat Danvers—A standard sort; rather oval	15	50	1 50
Maul's Prizetaker—Very large, beautiful Onion; white flesh	20	50	1 50
Large, White Globe—Large, Southport strain	25	60	2 00
Large White Portugal—Standard sort, flat.....	25	60	2 00
New Queen—Very early; small, white sort—the best for pickling.....	20	60	2 00

ONION SETS

We grow our own onion sets and what we offer are the very best.

White	Prices on Application.
Red	Prices on Application.
Yellow	Prices on Application.



EXTRA EARLY PEAS

	Qt.	Pk.	Bu.
Extra Early—The popular, old and fine standard	25	1 75	6 00
Alaska—One of the earliest and most popular blue Peas	25	1 50	5 00
Gradns or Prosperity—Magnificent, new, large-podded sort	25	1 75	6 00
First and Best—Very early; popular for market and shipping.....	25	1 50	5 00

DWARF EARLY PEAS

	Qt.	Pk.	Bu.
Nott's Excelsior—An improvement on American Wonder	25	1 75	6 00
American Wonder—Well known, and very popular	25	1 75	6 00
McLean's Little Gem—Very prolific; a garden favorite	25	1 75	6 00
Extra Early Premium Gem—Long, well-filled, prolific pods	25	1 75	6 00

SECOND EARLY AND LATE PEAS

Improved Stratagem—Large, full pods; quality fine	25	1 75	6 00
Pride of the Market—Our greatly improved, uniform strain	25	1 75	6 00
McLean's Advance—Fine standard sort, of excellent quality	25	1 75	6 00
Ever-Bearing—Long pods and large peas; sow thin	25	1 75	6 00
Champion of England—A well-known, standard pea; sow thick	20	1 50	5 50
White Marrowfat—An old, standard sort; quality inferior, great yielder ..	20	1 25	5 00
Black-Eyed Marrowfat—The best Marrowfat.....	20	1 25	5 00
Dwarf Sugar—Extra fine pods and same as Snap Beans	50	....	....

PARSLEY

Oz. 1/4-lb. 1 lb.

Champion, Moss Curled—Very pretty, and one of the best.....	10	30	75
Hamburg or Rooted—Edible roots.....	10	30	75

PARSNIPS

Hollow Crown—A market gardener's strain.....	10	25	60
Long, Smooth White—Long, white, smooth, no side roots; tender and excellently flavored	10	25	60

PEPPERS

Ruby King—Beautiful, bright red, large fruit, mild; fine for pickles.....	25	60	2 00
Large Bell, or Bull Nose—Large and mild; excellent for pickling.....	25	60	2 00
Sweet Mountain—Large, regular, of mild flavor; one of best for pickling	25	60	2 00
Long, Red Cayenne—Bright red; very productive.....	25	75	2 50
Red Chili.....	35	1 00	....
New Chinese Giant—Very large.....	40	....	....

SCHELL'S NEW QUALITY

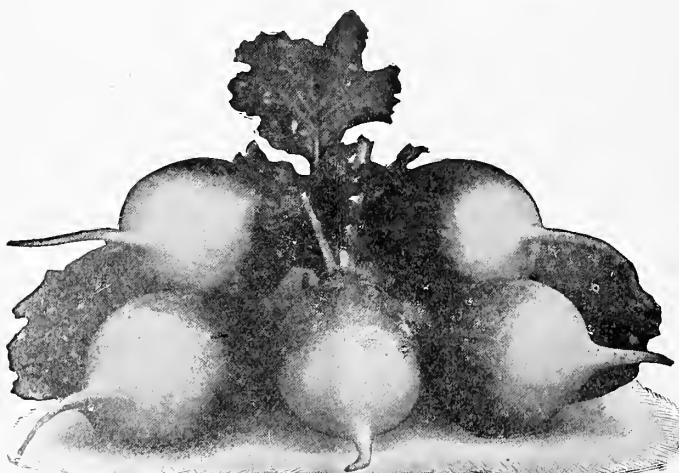
One of the most prolific of all Peppers. It is without question one of the most valuable of new varieties; has a beautiful, attractive shape, which makes it sell on sight. It averages 5 inches in length, 3 1/2 inches wide, and 2 3/4 inches at the other end	50	2 00	8 00
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PUMPKINS

Tennessee Sweet Potato—Bell shaped; white flesh, very thick.....	10	25	65
Quaker Pie—Fine for pies, very prolific and a good keeper.....	10	25	65
Japanese Pie.....	10	25	65
Large Cheese—Flat; one of the best varieties for family use. Good keeper	10	20	50
Striped Cushaw—Medium size, crook neck; very productive	10	25	65
Mammoth—Grows to an enormous size; fine for exhibition.....	10	30	80
Connecticut Field—Very productive; grown largely for feeding stock....	10	15	35

RADISHES

The accompanying illustration shows our



Turnip Early Scarlet—Very early. The French favorite.....
 Non Plus Ultra—Extra early, scarlet, forcing.....
 Erfurt Dark Red.....

**NEW IMPORTED
WHITE TIP RADISH
JOHNSON PERFECTION**

It is the most shapely and handsome, most solid, regularly and finely marked and in every respect the most perfect strain of White Tip Radish we have any knowledge of. It is very early, crisp and finely flavored, has no equal for forcing under glass or for outdoor culture. The most profitable for market gardeners and the most satisfactory for private

use.	Oz.	1/4-lb.	1 lb.
Price.....	10	20	60
.....	10	20	60
.....	10	20	50
.....	10	20	50

	Oz.	1/4-lb.	1 lb.
Early Scarlet, White Tip—Very early; for frames or out-doors.....	10	20	50
Scarlet Turnip, White Tip, Forcing—(Wilmer stock)	10	20	50
White, or Box—For forcing; flesh pure white and sweet.....	10	20	50
Early Yellow Turnip.....	10	20	45
Vicks Scarlet Globe—Fine for forcing.....	10	20	50
Half Long Deep Scarlet (Paris Beauty)—Flesh bright and crisp.....	10	20	50
French Breakfast—Earliest, most handsome; tender and crisp	10	20	50
Long Scarlet Short Top—Very long and crisp; for frames and open ground	10	20	50
Long, Brightest Scarlet—White tipped, very bright and beautiful.....	10	20	50
Wood's Frame—Long, red, crisp, and good forcer	10	20	40
White Icicle—Finest and longest of very early, pure white varieties.....	10	20	50
Lady Finger or Long, White Vienna—One of the best.....	10	20	50
Chartier—Large, long, Summer Radish; scarlet, with white tip	10	20	50
White Strassburg—The most popular and best, half-long Summer.....	10	20	50
White Stuttgart Summer—Very early and very large.....	10	20	50
Turnip, Yellow Summer—Dull yellow, fine flesh.....	10	20	50
Winter Rose China—Very handsome and distinct; keeps well.....	10	20	50
Winter, Round, Black Spanish—Fine for Winter	10	20	50
Winter, Long Black Spanish—The popular, Winter sort.....	10	20	50
Winter, California, White Mammoth—A very large, white, Winter variety	10	20	50

RUTABAGA

American Yellow, Purple Top	10	20	50
White, Purple Top	10	20	50

SALSIFY

Mammoth Sandwich Island—By far the largest and best for market or home	20	50	1	50
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SPINACH

Bloomsdale—Large, curled and wrinkled leaves; tender, and of finest flavor	10	20	60
Thick-Leaved—Has very large, thick, dark green leaves	10	20	60
Long-Standing—Dark green, leaves large and thick; very long-standing...	10	20	60

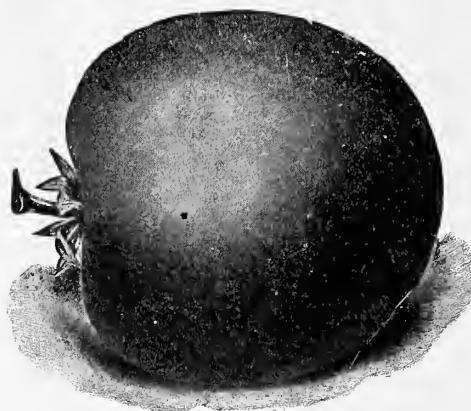
**True Warty Hubbard Squash****SQUASH**

Early, White Scallop Bush—A good, early shipping variety, best scallop...	10	20	50
Mammoth White Bush—Grows to twice the size of above.....	10	20	50
Yellow Bush, Summer Crookneck	10	20	50
Crookneck—Small, well-known, Winter sort; green skin	10	20	50
Warty Hubbard—More warty, harder shell, better keeper; true.....	10	25	75
Hubbard—Well-known and liked for late use; of superior quality	10	25	70
Golden Hubbard—A perfect type of its parent, with red skin	10	25	80
Mammoth Chili—Grows to an enormous size; rich, orange yellow	10

TOBACCO

Connecticut Seed Leaf.....	35
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TOMATOES



	Oz.	1/4-lb.	1 lb.
QUALITY —Early as Earliana, crimson red, very attractive.....	60	2 00
June Pink —Tomato is a pink Earliana, ripening fully as early.....	20	75	2 50
Earliana —It is a full week ahead of all others.....	20	75	2 50
Favorite —Large, smooth, productive, and good shipper	20	75	1 50
Matchless —Extra large, smooth and handsome; bright red, very solid..	20	75	2 25
Ponderosa —The largest variety in cultivation.....	20	75	2 50
Stone —Very large, perfectly smooth, fine bright scarlet; best main crop.	20	75	1 50
Acme —Bright pink, smooth; round, uniform size; productive and popular	20	75	1 50
Beauty —Large, smooth, pinkish red; thick flesh, regular form.....	20	75	1 50
Buckeye State —Very large, solid, meaty, deep purple; heavy cropper.....	20	75	1 50
Magnus —Purplish pink, firm flesh; uniform, early, productive	20	75	2 50
Dwarf Champion	20	75	2 50
Large, Round, Yellow	20	50	1 75
Dwarf Stone —Red, larger than champion; fruit similar to Fall Stone.....	20	75	2 50
Peach —Resembles a peach; for preserves, pickles and exhibition	20	50	....
Yellow Plum —Round and regular, bright yellow; used for pickles.....	20	50	....
Yellow Pear —Very handsome in form, and of a beautiful clear yellow color	20	50	....
Red Cherry —Fruit about an inch in diameter, in bunches; used for pickles	20	50	....
Yellow Cherry —Similar to preceding, save in color	20	50	....

TURNIPS



Early Milan Purple —Earliest of all, with purple top.....	10	25	75
Early Dutch —Rather flat, good white; early sort.....	10	20	45
Red or Purple Top Strap Leaf —The popular flat, Fall sort.....	10	20	45
Purple Top, White Globe —A standard sort; nothing better.....	10	20	60
Early White Egg —Very handsome, pure white; excellent for early or late.....	10	20	60
Cow Horn —Long, white; in shape resembling a cow's horn.....	10	20	45
Pomeraneean, Large, White Globe —Useful for both table and stock; very large.....	10	20	45

Miscellaneous

Bird Seed—Canary, Rape, Hemp, Etc.

Seed Sweet Potatoes—Nansemond and Yellow Jersey.

Seed Potatoes—Red River Valley, Ohios.

Plants—Cabbage, Tomato, Sweet Potato and other vegetable plants in season.

Onion Sets—White, Red, Yellow and Top Sets. Price on application.

Rape—Dwarf Essex.

We have always on hand a full stock of Field Seeds.

Clover Seed—We are headquarters for Clover Alfalfa and all Field Seeds.

The Iowa Seed Law prohibits Iowa dealers from selling impure seed, but does not prevent dealers in other states from shipping in adulterated and poor seed. We have our seed tested; and when offering for sale, are sure it contains no forbidden seeds.

Fertilizer

That the crops can be largely increased by the use of fertilizers is a well known fact—just what to use is the question to be determined—and it can only be known by carefully studying the growing crop. Nitrogen, phosphoric acid and potash are essential in plant development. Farm fertilizers are good, but in most cases they do not supply in sufficient quantity the elements necessary. Concentrated energy must be supplied from some outside source. We can furnish the concentrated fertilizer.

Sheep Manure for Lawns

There is nothing better than Sheep Manure to bring on that dark green appearance on your lawn. This fertilizer is free from weeds as it is put through a process which kills every germ. It is easily applied; and will give good results. 25 lbs., 75c; 100 lbs., \$2.00.

Seed Corn

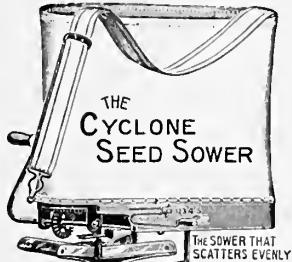
Legal Tender, 90-Day... Prices on Application		
Iowa Gold Mine, 90-Day	"	"
Leaming, 90-Day	"	"
Iowa Silver Mine, 90-Day	"	"
Reid's Yellow Dent, 90-Day	"	"
King of the Earliest, 80-Day	"	"
Pride of the North, 80-Day	"	"

Millet

German Prices on Application		
Common	"	"
Siberian	"	"
Hungarian	"	"
Amber Cane	"	"
Orange Cane	"	"
Kaffir Corn, white	"	"

Bags, extra, at market values.

Broadcast Seeders



Tin Horn	.....	\$ 50
Improved Cahon	.....	3 00
Cyclone	.....	1 50
Little Wonder	.....	1 25
Double Fan	.....	1 75

WARRANTY—While we exercise great care to have all Seeds pure, reliable and true to name; our Seeds are sold without any warranty, express or implied; and without any responsibility in respect to the crop. If our seeds are not accepted on these terms they must be returned at once. Y. S. CO.

Keeps Your Coops Free from Germs

**NOX
-I-
CIDE**

Conkey's Nox-I-Cide is absolutely unequalled as a non-poisonous deodorant and germ destroyer. It positively prevents diseases in poultry houses, runs and brooders, dog kennels, stables, or from cesspools, sinks, drains, garbage pails, etc.

Conkey's Nox-I-Cide Saves Medicine Money

Indispensable to poultrymen. Use it for cholera, roup, canker, gapes, chicken pox, pip, etc. A sure louse destroyer. Sold in any quantity. Ask for special book.

Flowers and Bulbs

CANNAS—Handsome plants for centers of large beds or for border, stately, ornamental plants, producing clusters of large flowers of the most intense, varied and brilliant colors. 10c, 3 for 25c; 85c dozen.

CASTOR BEAN—Tall, majestic plant for lawns; glossy green leaves; grows from six to fifteen feet high. Seed, 10c per oz.

CALADIUM—A fine tropical plant that can be grown in the open air in the North.

GERANIUMS AND POTTED PLANTS—We have a large assortment of seasonable potted plants of all kinds to be used for decoration purposes. 10c to 15c each.

Summer Flowering Bulbs

GLADIOLUS—No flower has gained more in public favor than this. They thrive in almost any good soil. Plant the bulbs six to nine inches apart, and from two to four inches deep. 40c dozen.

DAHLIA—The flowers are symmetrical and large, and varied range of colors. 10c to 20c each.

TUBEROSE—The flowers of this popular plant are waxy-white, double and exceedingly fragrant. 30c per dozen.

A good way to grow Tuberoses is to fill five or six-inch pots half full of well rotten cow manure, and the remainder with good, rich, sandy soil. Plant the bulbs in this in April, water moderately and keep in warm, light place. When the weather has become warm, plunge the pots in the earth out of doors.

MADEIRA VINE—Tuberous-rooted climber, with glossy, green leaves, and delightfully fragrant, white blossoms. It is of rapid growth; and from a few tubers, vines will cover the side of a cottage in a single season. 5c to 15c each.

TULIP—Producing such a variety of bright colors almost as soon as the snow is gone. 20c per dozen.

NARCISSUS—Single and double. 35c per dozen.

HYACINTHS—50c per dozen.

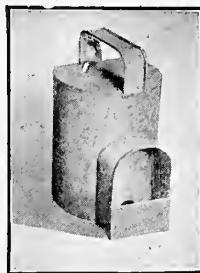
SNOWDROPS—15c per dozen.

CROCUS, ETC.—10c per dozen.

DRINKING FOUNTAINS

Galvanized Iron Wall Fount

These Founts are very handy, as they may be hung up on the side walls of the poultry house, so as to prevent litter getting in the water. They are made of heavy galvanized iron, and possess an improvement which enables the user to clean them readily, which cannot be done with the old-fashioned wall fount. They are largely used by pigeon keepers, being specially adapted for that purpose. Prices....1 gal. size, 65c each; \$3.50 for six.



Galvanized Iron Fountain

½-gallon.....30c each
1 gallon.....50c each

Aluminum Saucers

Fit any Mason one-half gallon or one quart Mason jar. We do not furnish the jar. This is a sanitary fountain, easily cleaned. 15 and 20c each.

Top-Fill Drinking Fountain

For hog pens, poultry yards and domestic pets.

Winter Fountains

An ideal Fountain for all kinds of fowls, in all kinds of weather.

Lice Liquid

The Mites are the great profit reducers in the Poultry business. Mites are to be found on the roosts and walls of the house and do not remain on the poultry, but attack them on their roosts and suck their blood at night. Use Liquid Lice Killer and a Sprayer, and save the poultry and your profit.

The Misty Sprayer50c
Rapid Sprayer65c
Daisy Sprayer85c

Poultry Supplies

We handle a complete line of Poultry Supplies.

Especially prepared Hen Food, per 100 lbs.\$2 35
Chick Food, per 100 lbs.2 75
Ground Bone, per 100 lbs.3 00
Mica Crystal Grit, per 100 lbs.90
Clam Shells75
Oyster Shells90
Alfalfa Meal, a good substitute for green food, per 100 lbs.1 75
Beef Scraps, cooked meat, dried and ground, per 100 lbs.3 75
Blood Meal, per 100 lbs.4 00
Liquid and Dry Lice Killer....35c and 65
Glass Eggs, per doz.....20

Adjustable Aluminum Leg Bands

Standard.....	per doz., 10c; per 100, \$	50
Climax, made of spring brass and so that tag acts as clasp..doz., 15c; per 100		75

Germozone

Will cure Roup, Cholera, Colds and Bowel Complaint. A very good remedy. PriceBottle 50c

We have Remedies for:

Leg Weakness
Gaps
Canker
Scaly Leg

Also handle

Poultry Tonic
Egg Producer

Fly Knocker

Will protect your cattle and horses. Use a Sprayer and Fly Knocker and increase the flow of milk, and give comfort to your cows and horses.

Sprayer	\$	50
Fly Knocker.....1 qt., 35c; ½-gal.,		60

Paris Green

¼-lb.	\$	15
½-lb.		25
1 lb.		45
5 lbs.		2 00

Conkey's Roup Remedy

Have it on Your Shelf

Roup kills quickly and spreads rapidly. Don't take any chances. Be prepared for it and save your fowls and your profits. Keep on hand—ready for the first signs of the disease—

Conkey's Roup Remedy

It kills the disease germs, invigorates the bird and restores your profits. Your money back if it doesn't please you. Prices, 50c and \$1.00. A 50c size makes 25 gallons of medicine.

Conkey's 72-page Poultry Book, the best and most practical guide to the poultryman, *free to you, if you call or send 4 cents in stamps.*

Standard Seed Tester

This is the Tester with which we Test all of our Seeds. The "Standard" has the endorsement of Agricultural Colleges everywhere.

Farmer's Size No. 2.....	\$25.00
Farmer's Junior No. 1.....	15.00

THE Agricultural Societies and Experiment Stations of the United States are giving the subject of Spraying Fruit Trees and Plants much attention. It has been conceded by the best authorities that spraying is absolutely necessary on all fruits and plants to obtain the best results.

We handle a full line of Sprayers of the best makes for Trees, Vines and Greenhouses; materials to spray with: Bordeaux Mixture, Tobacco Extract, Etc.

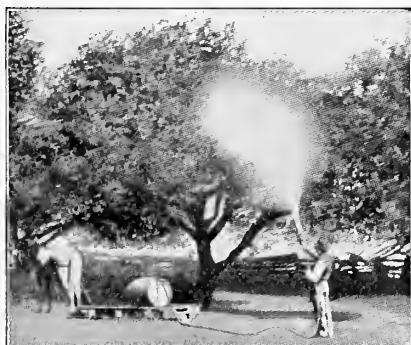
THE PERFECTION SPRAYER

At the right is shown a cut of the new cylinder type of Sprayer that has recently been added to our line. In bringing out this Sprayer and offering it to the trade, we do it with a full knowledge of the many difficulties to be overcome in building a Sprayer of this type. First, in this is the question of strength and durability combined with ease of operation, range and character of work necessary in a Sprayer that can be sold at a moderate price. A poor Sprayer is dear at any price; a good one is cheap.

This Sprayer will handle whitewash, water, paints, Bordeaux mixtures, etc. perfectly. Made of galvanized steel or brass. Weighs 9 1/2 lbs. Tested 50 lbs.



The Standard Spray Pump

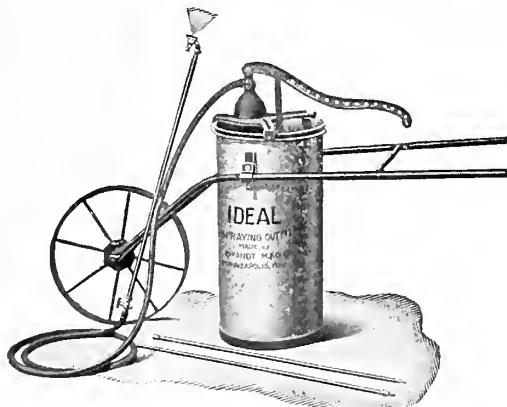


Its plan of operation is slightly different from other type of spraying apparatus since the hose is used on the suction end instead of the discharge end. This makes it possible to use the pump with a bucket, barrel, tank or knapsack, depending upon the number of trees or the kind of spraying to be done.

The best and most powerful piece of low-priced Spraying apparatus on the market to-day. Made entirely of brass, with two solid brass ball valves.

No Leather Suckers or Washers.
No Castings to Rust.
No Leaking Joints.
No Lost Motion.
Nothing to Get Out of Order.

THE IDEAL SPRAYING OUTFIT



This outfit has been designed to fill the requirements of the small Orchardist, Gardener and Fruit Grower—those who need something larger than our No. 2 and No. 3 Knapsack Sprayers, but who do not want anything as large as the barrel and power outfits. It is light, compact and easy to operate. Holds 15 gallons. It has the largest air chamber of any spray pump of its size, thus enabling operator to keep a uniform pressure at nozzle.

PRICE LIST OF SPRAYERS

Perfection Spraying Outfit, each	brass, \$7.00; galvanized, \$5.50
Standard Spray Pump, each	4.50
Ideal Spraying Outfit, each	22.00

Slug Shot

Sure Death to Potato Bugs, Cabbage Worms, Melon Bugs, Currant Worms, Etc.



This preparation, though poisonous to insects, does not injure the foliage. It is used by dusting, in water, or by spraying.

5-lb. package..... 35c
10-lb. package..... 65c

Bug Death

Is the one preparation you can offer to your customers that is admittedly non-poisonous. It kills without injuring or destroying the most delicate of plant, vine or leaf. Does away with "Beware-poison" signs all over the premises, because it contains no Paris green or other arsenical poisons.

"Bug Death" is ideal for use on potato, squash, cucumber, currant, gooseberry and tomato plants, rose bushes and vines; for house plants and "that little vegetable garden," it is unexcelled.

1-pound package, 24 in case, per pkg...	20
3-pound package, 12 in case, per pkg..	45
5-pound package, 6 in case, per pkg..	65
12 1/2-pound package, 4 in case, per pkg	1 25
100-pound kegs, per keg	9 00



The Dickey Bug Death Duster



Retailing at 25c, is recommended by us as the most effective and economical method of distributing "Bug Death" dry. It is provided with a scoop, attached to the perforated thimble, for filling. No waste; no inconvenience.

Dickey Bug Death Dusters, 12 in case, 25c ea.

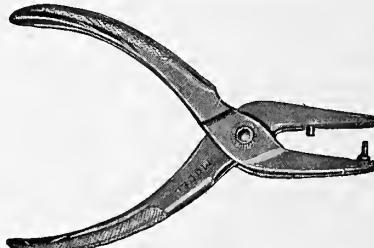
Galvanized Iron Grit & Shell Box

No poultryman can afford to be without these handy boxes. They are made with two or three compartments so as to hold separately shells, grit, charcoal, beef scrap, or any other food. They are made to be hung on the walls of the pen, and are very effective for preventing waste of food. Made of heavy galvanized iron, they will last for years.



Prices.. Small size, 3 compartments, 65c each
Large size, 2 compartments (dry feeding) 75c
each.

Model Toe Marker

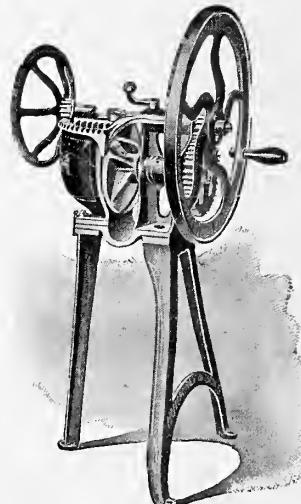


To toe-mark a chick, a good cutting punch is needed; one making a clean hole. Such is the Model Toe Marker, a high grade tool in every particular. It has a separate stop between the jaws to prevent bruising the web of the foot.

It is well finished, nickel plated, and makes a handsome tool—a perfect marker, well worth twice the price asked.

Price each, postpaid..... 50c

Bone Cutters



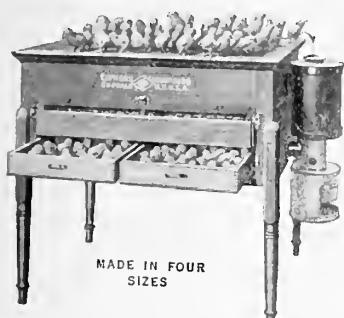
Egg Shipping Boxes

for Shipping Setting Eggs

Humphrey's Green Bone Cutter, almost indispensable on the Poultry Farm.... \$12.00

We are Agents
for the Famous

CYPHERS INCUBATORS, HOVERS and BROODERS



MADE IN FOUR SIZES

STANDARD CYPHERS INCUBATORS.

These are the famous Cyphers, the machines that for 20 years have been recognized as the "standard hatcher of the world." Are self-regulating, self-ventilating, non-moisture, fire-proofed and insurable. They will give you big hatches of strong, lively chicks, hatch after hatch, and year after year.

No. 0, 70 eggs, price	\$16.00
No. 2, 244 eggs, price	37.00
No. 1, 144 eggs, price	25.00
No. 3, 390 eggs, price	44.00

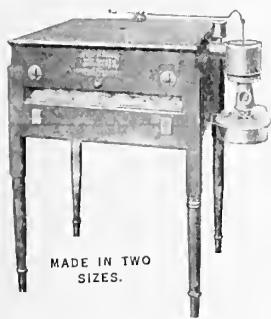
COLUMBIA HOT-AIR INCUBATORS.

Are built to meet the wide-spread demand for large capacity, lamp heated machines that can be sold at surprisingly low prices and yet be guaranteed to do good work. Have wooden cases finished in dark green. Same regulator used as on highest priced machines. Automatic in ventilation. Hatch large, fluffy chicks.

Small size, 140 eggs, price	\$18.00
Large size, 250 eggs, price	25.00



MADE IN TWO SIZES



MADE IN TWO SIZES.

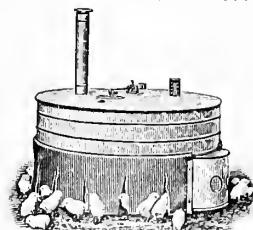
SUPERIOR HOT-WATER INCUBATORS.

The first hot-water incubator ever offered with Cyphers Company standard of design, construction, regulation and ventilation. Have wooden cases, finished in brown, forced water circulation, automatic ventilation. Fully guaranteed.

Small size, 65 eggs, price	\$13.00
Large size, 130 eggs, price	18.00

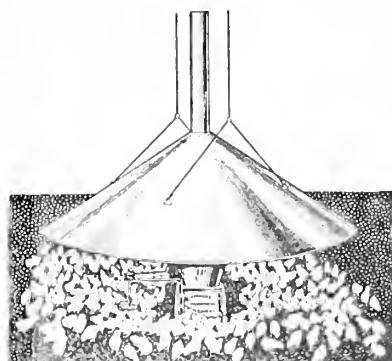
CYPHERS PORTABLE HOVER.

This Hover is Self-Regulating, Self-Ventilating, all-metal and will last a lifetime. Capacity, 50 to 75 newly-hatched chicks. Should be used indoors during winter weather. Unexcelled for use in colony houses, roosting coops and large-sized, home-made brooder cases. Is easy to move, easy to clean. Price, \$10.00.



STYLE A OUTDOOR BROODER.

This is a very convenient and practical outdoor brooder. Is well built, has ample ventilation, provides plenty of heat and pure warmed air for the chicks. It will safeguard your growing chicks. Capacity, 75 newly hatched chicks. Price, \$14.50.



CICO COAL-BURNING COLONY HOVER.

This is a practical, reliable and serviceable colony hover. The heater is 24 inches high, has a shaking and dumping grate, and can be filled and regulated without moving hover or dome.

The dome is 50 inches in diameter. Will brood 300 to 1,000 chicks, depending on construction of building, and climate. Is equipped with automatic regulator.

Price of Cico Hover, Complete.....\$15.00

Get A FREE Copy of 25-Page Book Showing the Full Line of Cyphers Incubators, Hovers, Brooders & Supplies



THE INTERNATIONAL SANITARY HOVER

It is especially suitable for use in colony brooders; but, it can be used with equally good results in a hen house, tent, barn, stable, piano box, or even a dry goods box. It can be picked up and carried around with ease.

Sanitary Hovers are as practical for the small back-yard poultry raiser as for large poultry plants. They are warmest at the curtain—usable anywhere—ready for business wherever placed. All that is necessary is to place the hover in the colony house and light the lamp. And the easiest way to set it up is to set it down. No crowding or smothering of chicks—no kneeling in mud or dust to get at the lamp—no cutting of holes or building of platforms.

Write for illustrated booklet or call and examine the hovers. We shall be pleased to show them to you. Price, complete, \$9.00 each.

Spraying Material

We call your attention to our Dry Powdered Arsenate of Lead which we offer to the trade in place of Paste Arsenate of Lead. The powder has a number of advantages over the paste. The chief one is that the powder may be carried over from one year to another without deteriorating in any way, whereas the paste is bound to dry out more

or less and lose part of its strength. It can be had in 1, 5, 10, 25 or 100 lb. packages. Ask for prices.

Lime—Sulphur

Lime-Sulphur is a very effective solution when used on fruit trees. On apple trees especially it prevents San Jose Scale, Bitter Rot, Oyster Shell Bark Louse and Scab. We can furnish this in five gallon cans.

PRICES ON ARSENATE OF LEAD

INSECTICIDES AND FUNGICIDES FOR SPRAYING

PASTE ARSENATE OF LEAD.

	Bbls.	100s	50s	12 1/2s	5s	1s
Per lb.	....10c	10 1/2c	11c	12c	14c	20c

DRY POWDERED ARSENATE OF LEAD.

	100s	50s	25s	10s	5s	1s	1/2s
Per lb.25c	26c	27c	30c	35c	40c	50c

DRY POWDERED TUBER TONIC.

Per gal.	\$1.00	90c	75c	50c	
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	1s	5s	10s	25s	50s
Per lb.	35c	32c	30c	29c

DRY FUNGI BORDO.

	1s	5s	10s	25s	50s
Per lb.	30c	25c	22c	20c

DRY LIME SULPHUR.

	5s	10s	25s	100s	150s
Per lb.	12c	12c	11c	9c

LINE SULPHUR SOLUTION.

	Qts.	1/2 gal.	Gal.	5 gal.
Per gal.	\$1.00	90c	75c

The United States Mail (Parcel Post) will bring our seeds to your door.

MAKING OUT ORDERS.—We always make it a point to give orders our **immediate attention** as soon as received, a fact well known and appreciated by the thousands of customers deriving their supplies from us direct. The prompt execution of orders will be greatly facilitated if our customers will be careful to write on their order their **Full Name and Address, the Quality, Name of Variety and Price of the seeds wanted.** (See Order Sheet enclosed.)

TERMS CASH WITH ORDER.—Seeds sent to amount of remittance only; when prices fluctuate and postage or cost of bags is not provided for in remittance as required, orders will be modified accordingly, and customers can reorder the deficiency, as no accounts will be opened for small sums or balances resulting from short remittance. We guarantee to fill your order satisfactorily. In case of an error it will be cheerfully corrected.

REMITTANCE may be made in cash, by Express or Registered Mail, by Draft, or by Postal Money Order. Sums of fifty cents or less, in cash or stamps, may be sent by ordinary Mail at our risk. Postage stamps for any sum will be accepted where facilities for transmitting money by the above modes do not exist, but letters containing same should be registered.

BY MAIL—POSTAGE PAID BY US.—The prices for small seeds (Peas, Beans and Corn excepted) quoted in this Catalogue include postage, paid by us. We do not pay postage on Peas, Beans and Corn because of their weight. If wanted by Mail, postage should be added to price quoted, at the rate of 10c. per quart on Peas and Beans, and 10c. per quart on Corn.

GUARANTEE.—We guarantee all shipments of seeds to reach the purchaser safely and in good condition.



Blatchford's Calf Meal

The Complete Milk-Equal

THIS is in reality a substitute for milk—and should not be considered as an ordinary "feed" or "meal."

It contains all the elements of milk and when properly prepared becomes a "baby food" for calves and colts. It is just the thing for weaning calves as soon as they can be taken away from the cow. Then all the milk may be sold and you get the benefit of the high creamery prices.

It is absolutely the only milk-substitute that contains all the elements necessary for rapid and healthy growth, and the only calf meal that is thoroughly cooked and prepared for digestion.

Will push calves and colts forward better and quicker than any other food

100 pounds makes 100 gallons of Complete Milk-Equal

Send for your copy of this booklet



CHICKS started on Blatchford's Milk Mash are never bothered with diarrhea. It nourishes the same as whole milk, and the chicks you save by it will prove the wisdom of its use.

Milk-fed broilers are being successfully raised on this Milk Mash. They grow rapidly to big birds and command top prices on account of their size and choice quality of meat.

Five pounds will raise a chick to the age of three months.



WEAN your little pigs easily, quickly and safely on our complete milk-equal for pigs.



Blatchford's Pig Meal contains just the right percentage of vegetable protein, fat, moisture, ash, etc., for this work. It keeps them growing sturdily, rapidly and profitably instead of taking on excess fat. It grows bone and solid flesh, prevents losses of growth and vitality during the critical weaning period and always makes the runts catch up.

BLATCHFORD'S "Fill the Basket" Egg Mash is a perfect, complete food for encouraging the natural egg-laying functions to greater results and contains nothing resembling a drug.

It starts the pullets laying at five to six months of age, keeping them in perfect health all the time.

The average hen will consume about a pound a week, costing less than four cents, but her results will surprise you during both winter and summer.



Make every layer a winter payer

A slogan for poultrymen

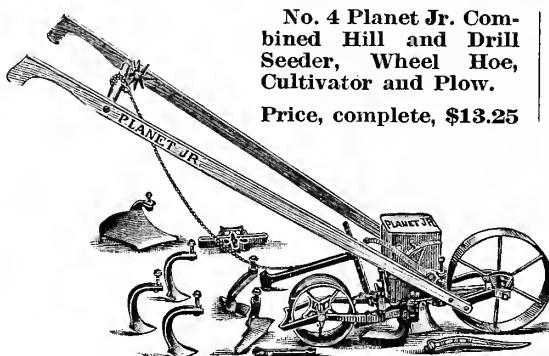


Planet Jr. Garden Tools

72-page Planet Jr. catalog free—Describes 70 tools, including Seeders, Wheel Hoes, Horse Hoes, Harrows, Orchard and Beet Cultivators. Write postal for it.

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow.

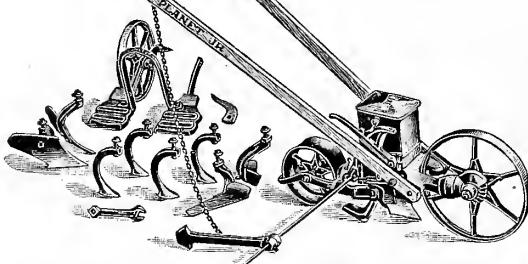
Price, complete, \$13.25



Soon pays for itself in the family garden as well as in the larger acreage. Sows all garden seeds in drills or in hills, plows, opens furrows and covers them, hoes and cultivates quickly and easily. No. 4 D, Hill and Drill Seeder, same as above less the cultivating attachments, \$10.75.

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow.

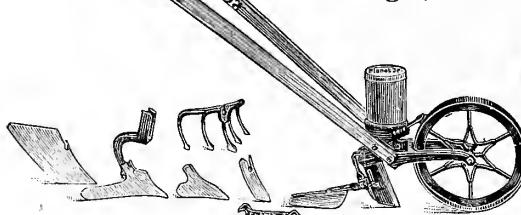
Price, \$16.00



A splendid combination for the family garden, onion grower, or large gardener. It is a perfect seeder, and combined double and single wheel hoe. Sows in drills or in hills 4, 6, 8, 12 or 24 inches apart.

No. 31 Planet Jr. Combined Drill and Seeder and Single Wheel Hoe.

Price, Complete, \$8.50
Packed weight, 30 lbs.

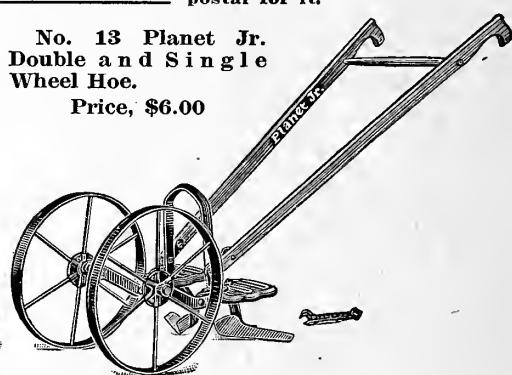


This new tool is of great value to gardeners who have never felt able to own either a seed drill or a wheel hoe. It will sow even a small packet of garden seed with great precision. Quickly changed to a splendid wheel hoe. A special machine for the small gardener.

The farm and garden tools that save your time, lighten your labor, and get bigger crops—the longest-lasting and most economical implements made. Fully guaranteed. 72 page Planet Jr. catalog free. Send postal.

No. 13 Planet Jr. Double and Single Wheel Hoe.

Price, \$6.00

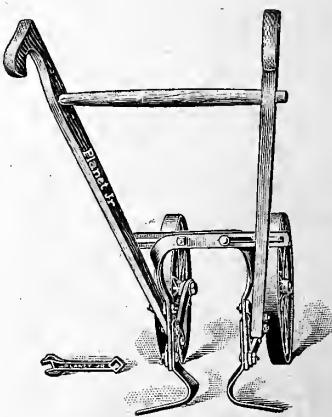


A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. Has steel frames and 14-inch steel wheels. The greatest hand-cultivating tool in the world.

No. 60 Planet Jr. Double Wheel Onion Hoe.

Price, \$5.25

This new tool is a departure from all previous Wheel Hoes. It is adjustable for the complete culture of onions, or general hoeing. The new all-steel hoes are a decided improvement over the older models. We offer a special Onion Harvester for this tool. Price, \$1.50.



No. 17 Planet Jr. Single Wheel Hoe.

Price, \$6.25



The highest type of Single Wheel Hoe made. Light, but strong, and can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest, quickest, and best way.

No. 103 Planet Jr. Horse Hoe.

Price, \$8.25

A new light, but very strong, Horse Hoe that will appeal to farmers and gardeners.

20% Discount on all Planet Jr. Goods to Dealers.